

ABSTRACT

A system for transmitting images and methods of manufacturing and using the same.

The system for transmitting images includes a camera, a fiber optic cable, and a display system.

The camera comprises a lens system for receiving light signals from one or more still and/or

5 moving objects to be imaged. Upon receiving the light signals, the lens system intensifies the light signals to produce a substantially-reduced image of the objects and communicates the entire substantially-reduced image in real-time to a lens system of the display system via a single

filament of the fiber optic cable. The lens system of the display system then deminiaturizes (or magnifies) the substantially-reduced image to produce an expanded image of the objects. The

10 expanded image, which is continuously updated by the lens system of the camera to generate real-time still and/or moving images, is visibly presented by the display system.